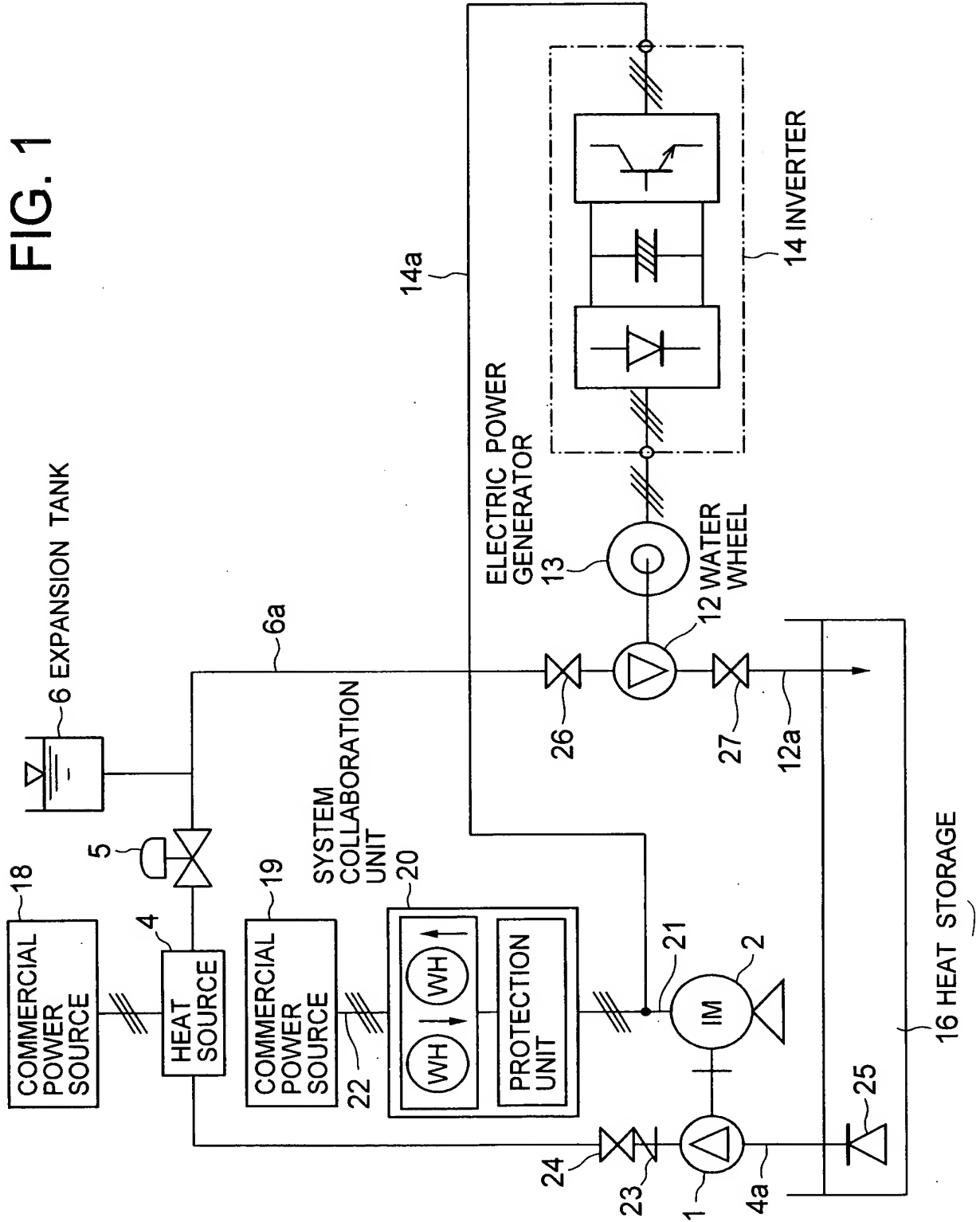


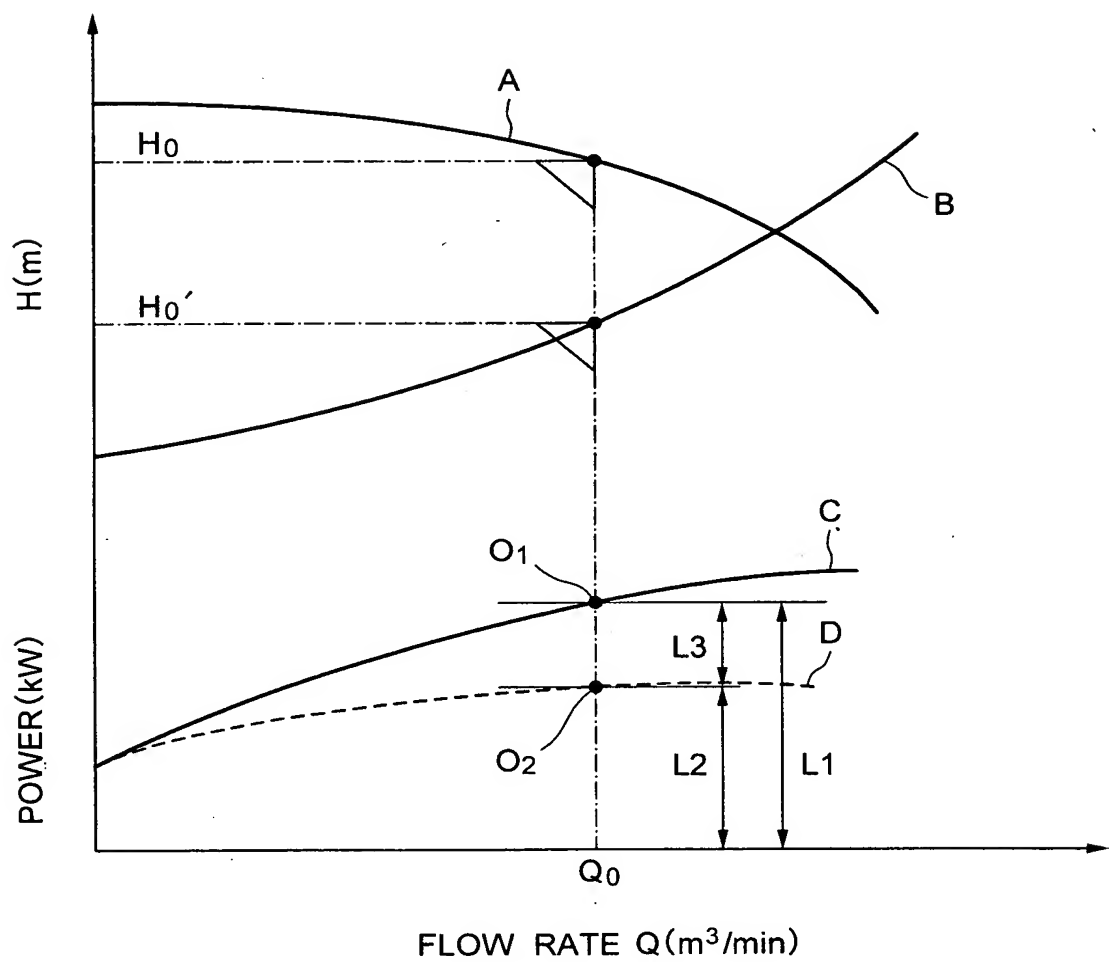
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FIG. 1



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FIG. 2



$$L_3/L_1 = 40 \sim 60\%$$

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FIG. 3

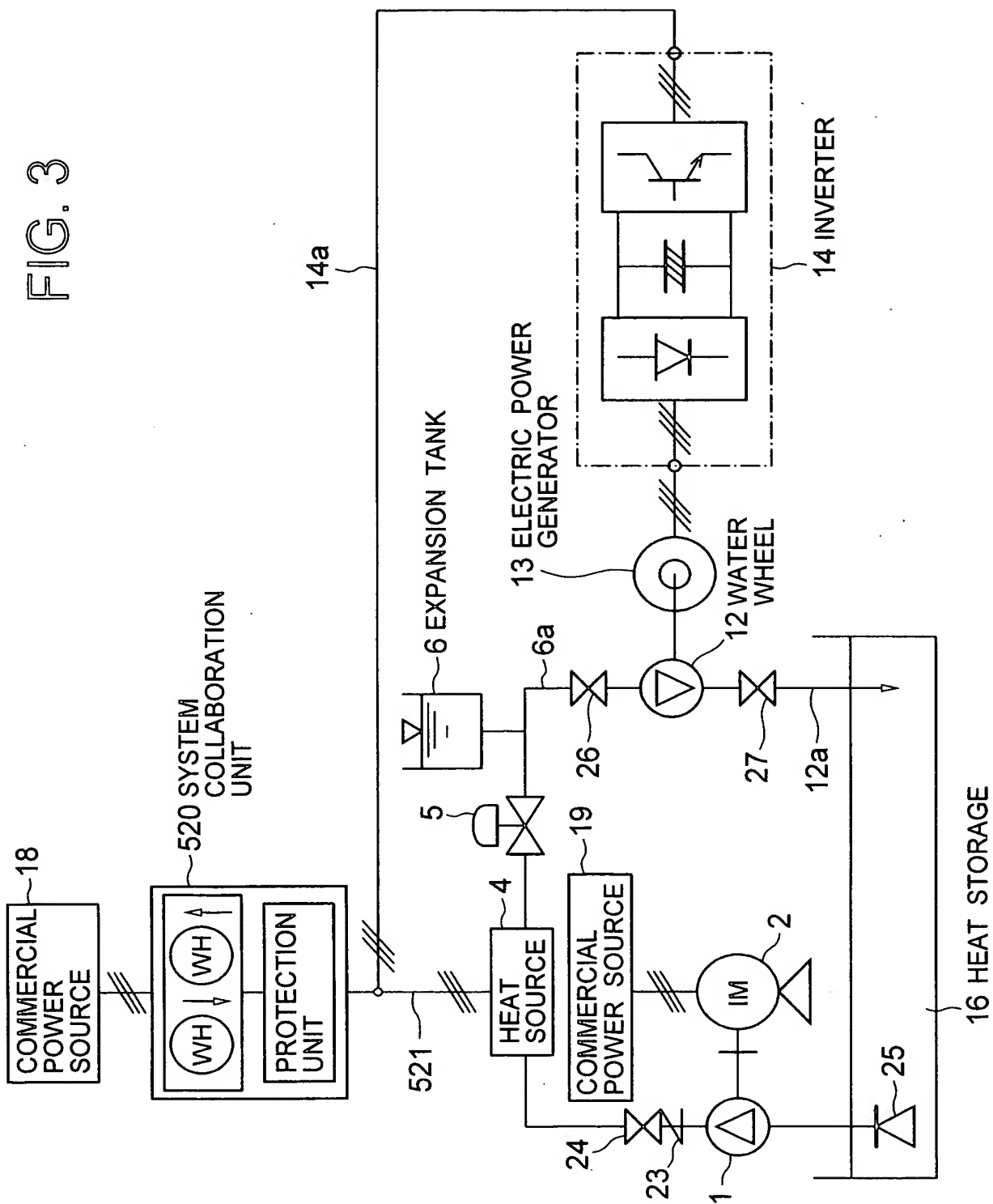


FIG. 4

The diagram illustrates a power system for a heat storage unit. It features a primary loop on the left and a secondary loop on the right, connected by a common pipe (6a) and a valve (5). The primary loop includes a heat source (4), an expansion tank (6), and a pump (1). The secondary loop includes a generator (13) and a motor (2). The system is powered by three commercial power sources (18, 28, 29) and a group of loads (30). The heat storage unit (16) is connected to the primary loop via a valve (25). The common pipe (6a) is connected to the primary loop via a valve (5) and to the secondary loop via a valve (26). The secondary loop also includes a valve (27) and a pump (12). The system is labeled with various components and their interconnections.

18 COMMERCIAL POWER SOURCE

521

4 HEAT SOURCE

5

6 EXPANSION TANK

6a

28 COMMERCIAL POWER SOURCE

29

a c

b

13 ELECTRIC POWER GENERATOR

12 WATER WHEEL

26

27

12a

19 COMMERCIAL POWER SOURCE

21 IM

2

24

23

1

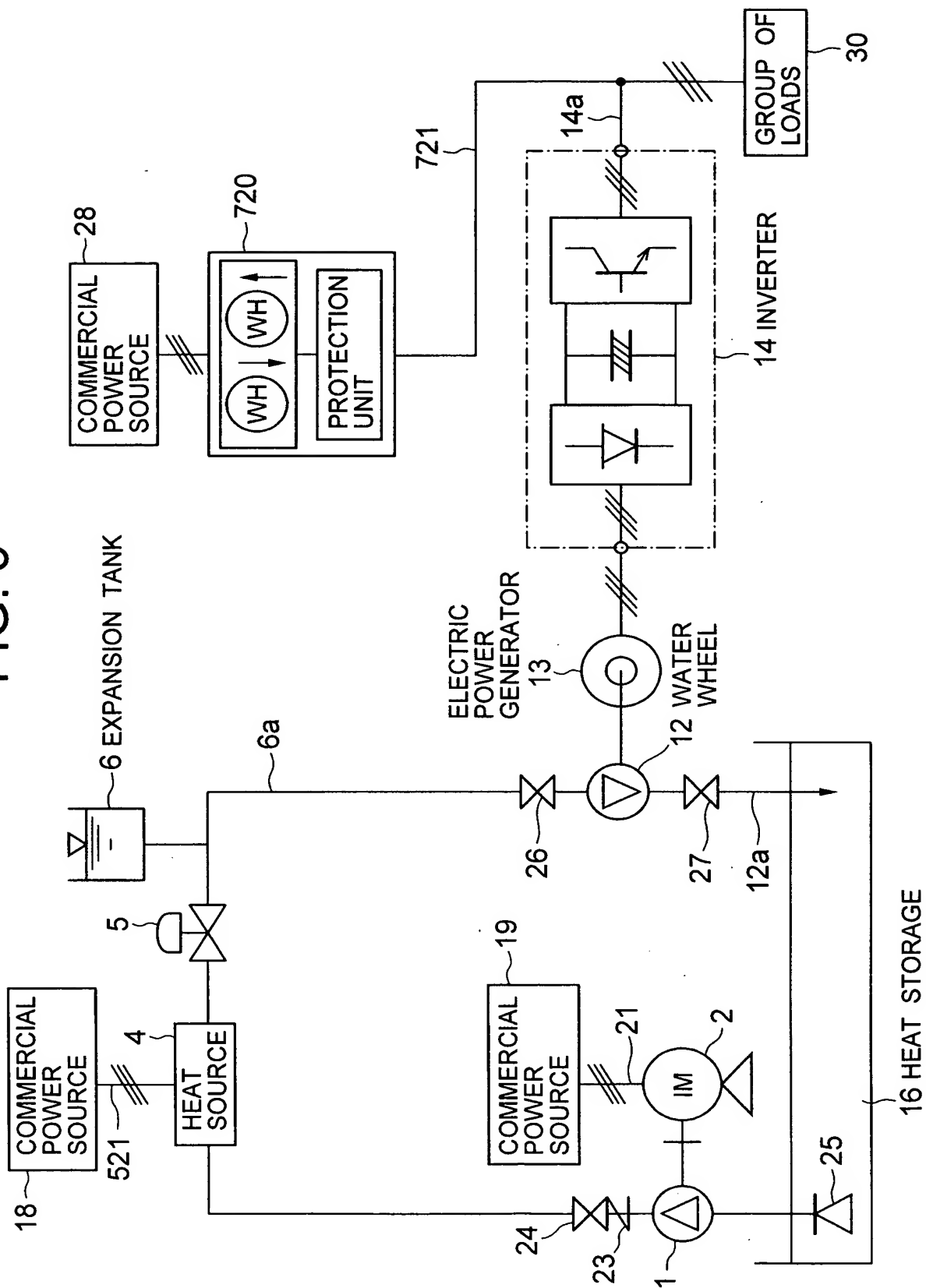
25

16 HEAT STORAGE

30 GROUP OF LOADS

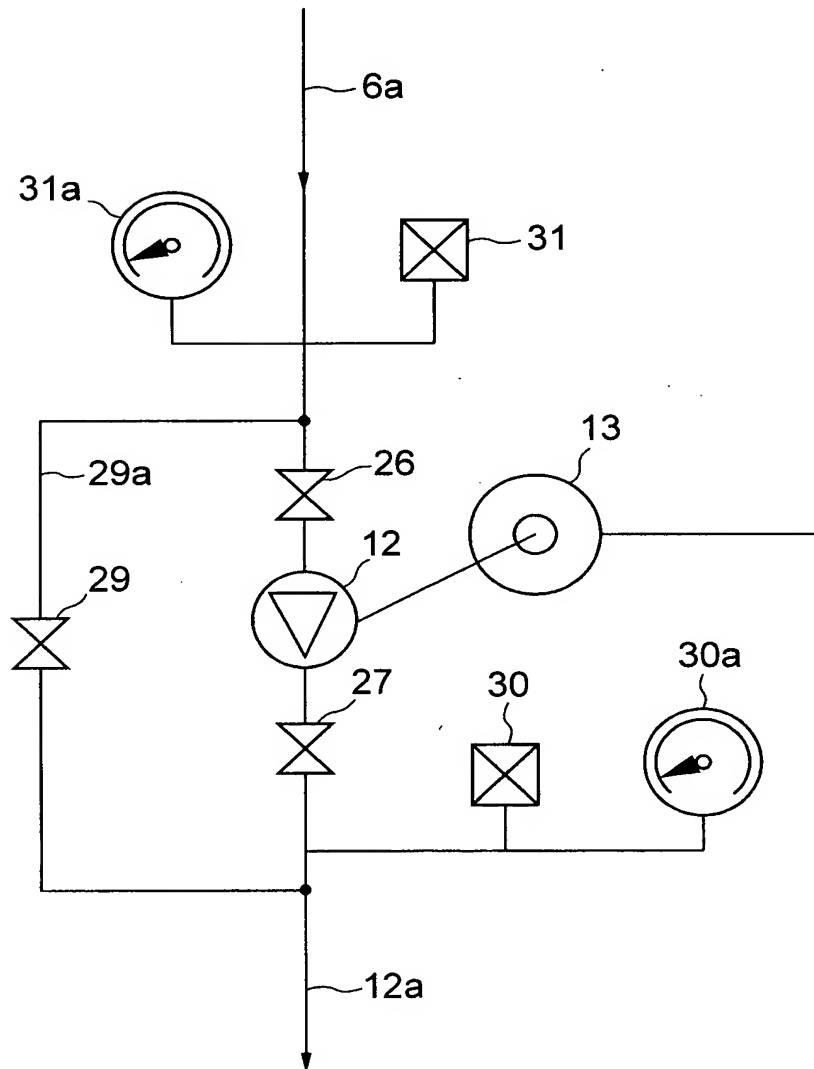
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FIG. 5



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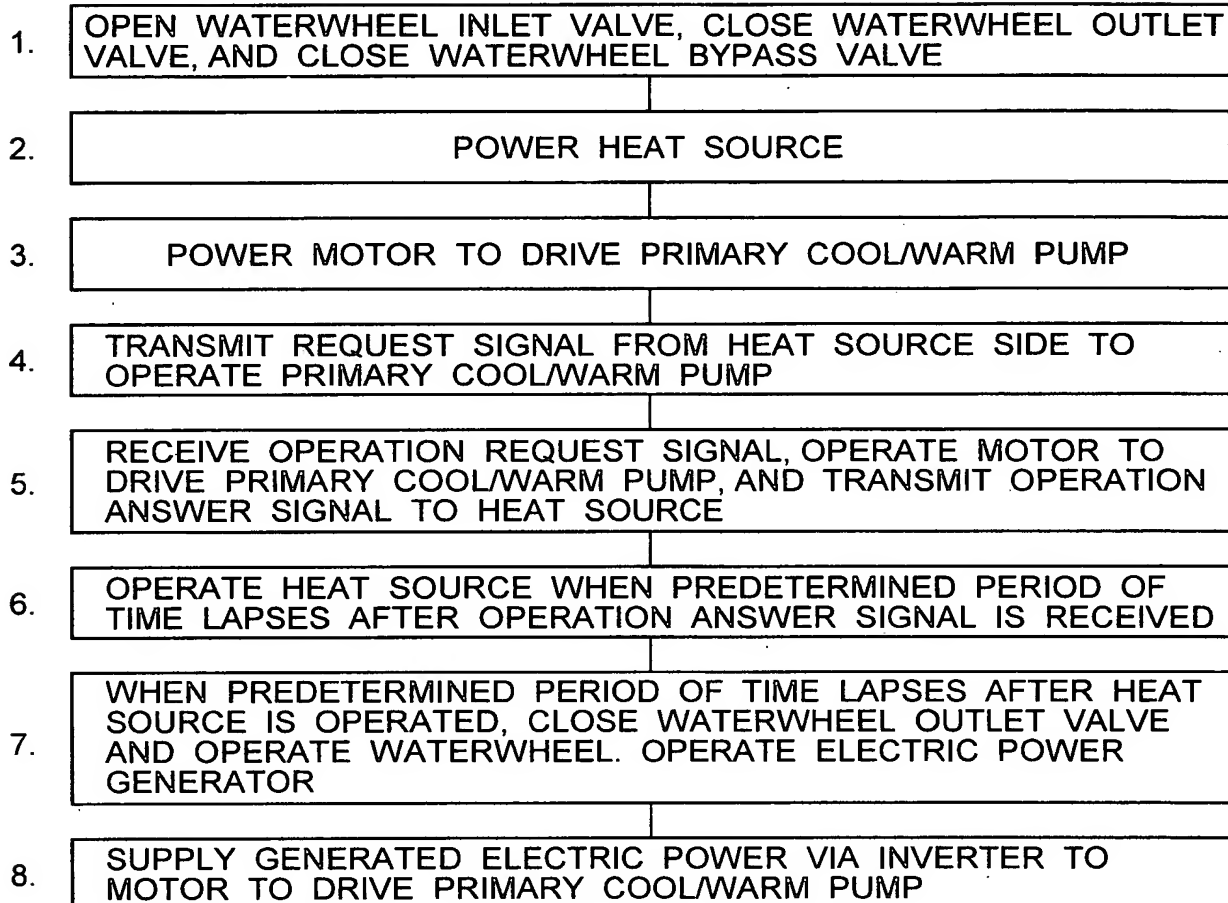
FIG. 6



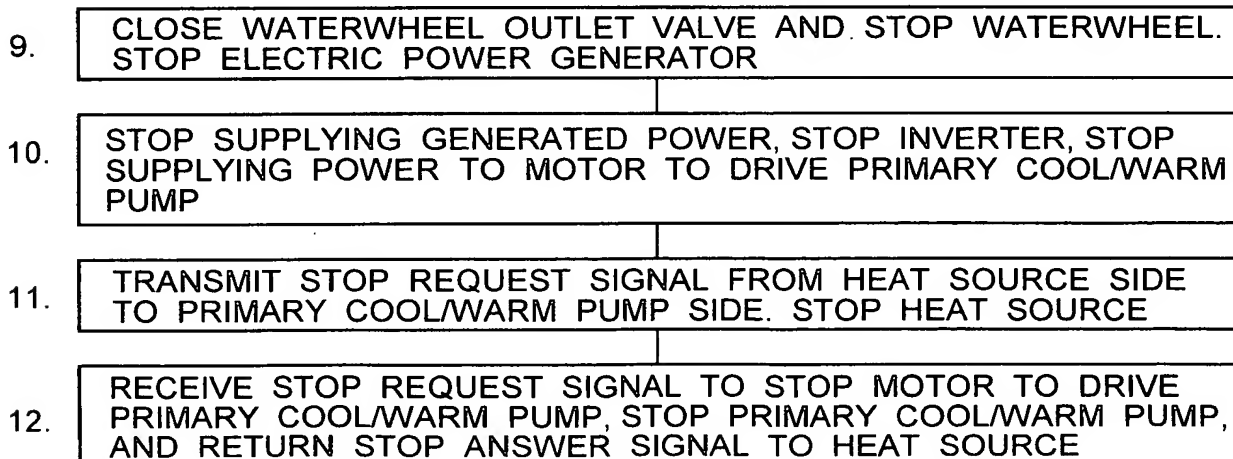
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FIG. 7

<TO START OPERATION>



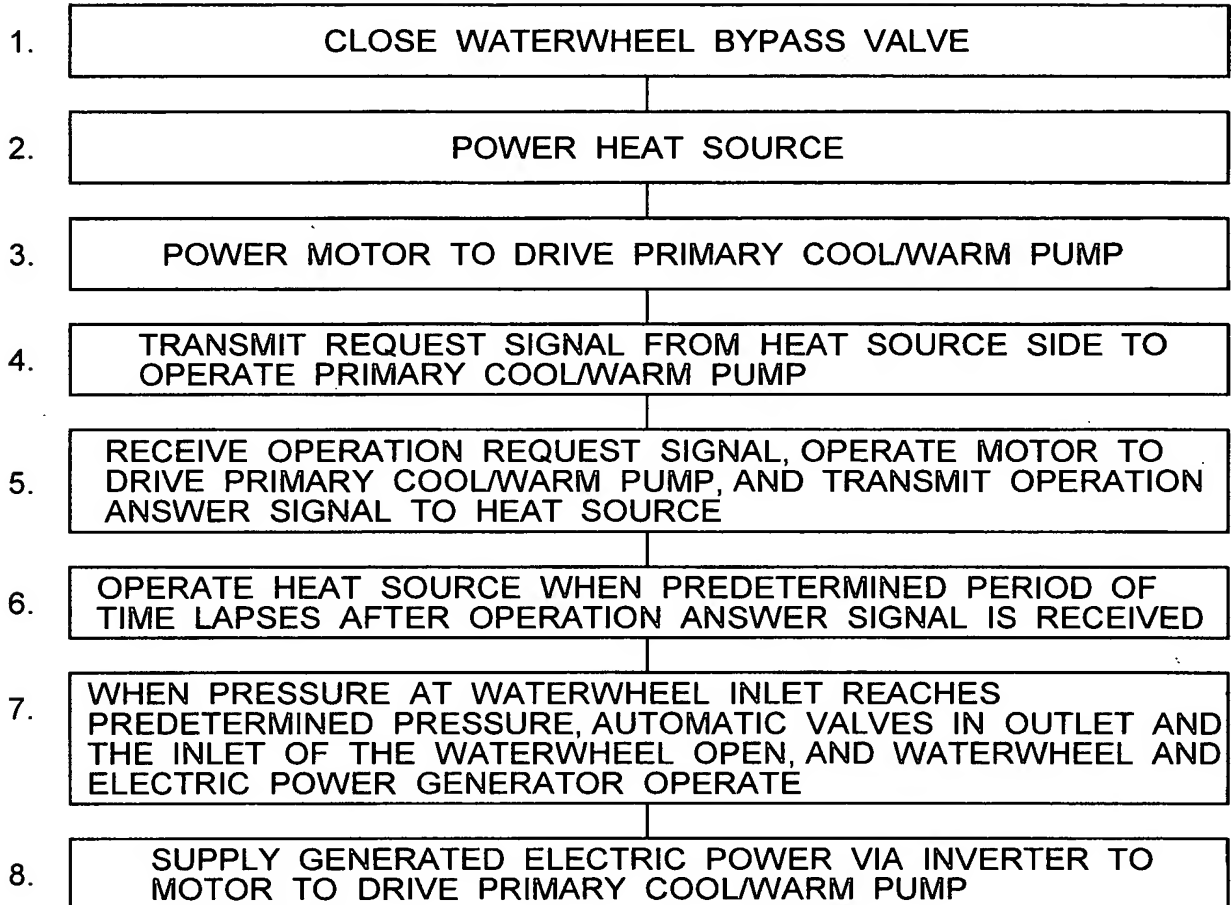
<TO STOP OPERATION>



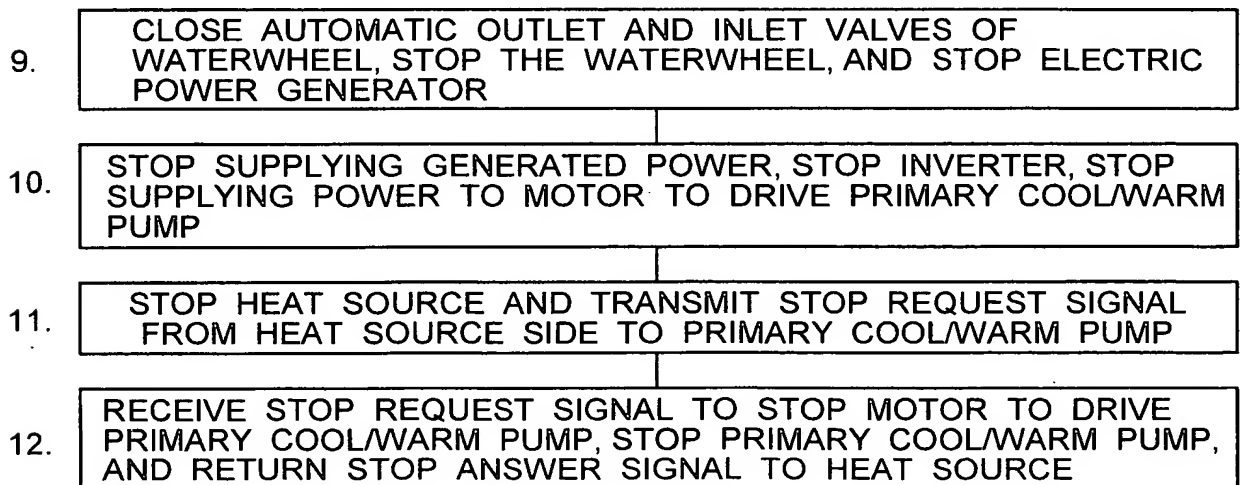
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FIG. 8

<TO START OPERATION>

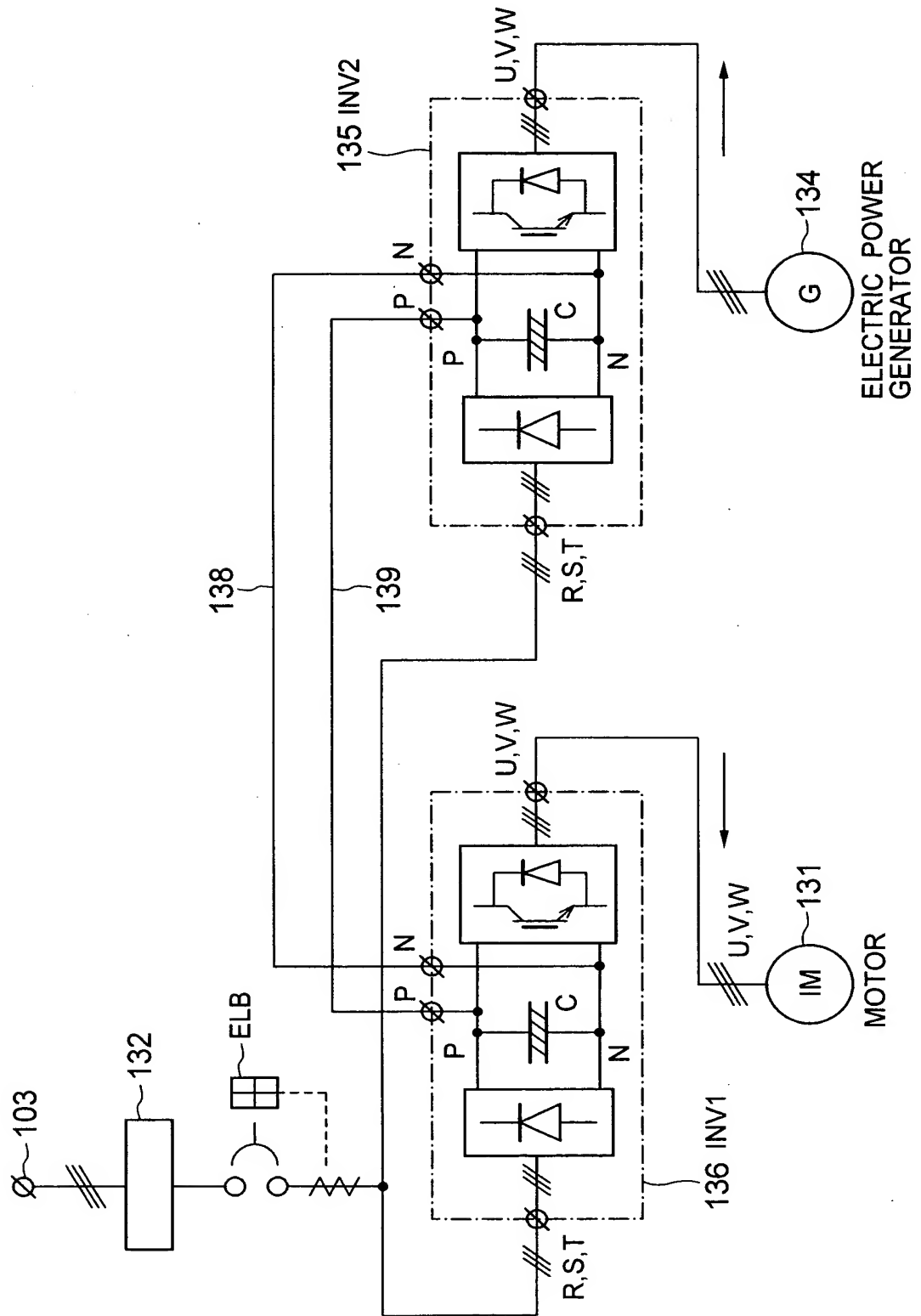


<TO STOP OPERATION>



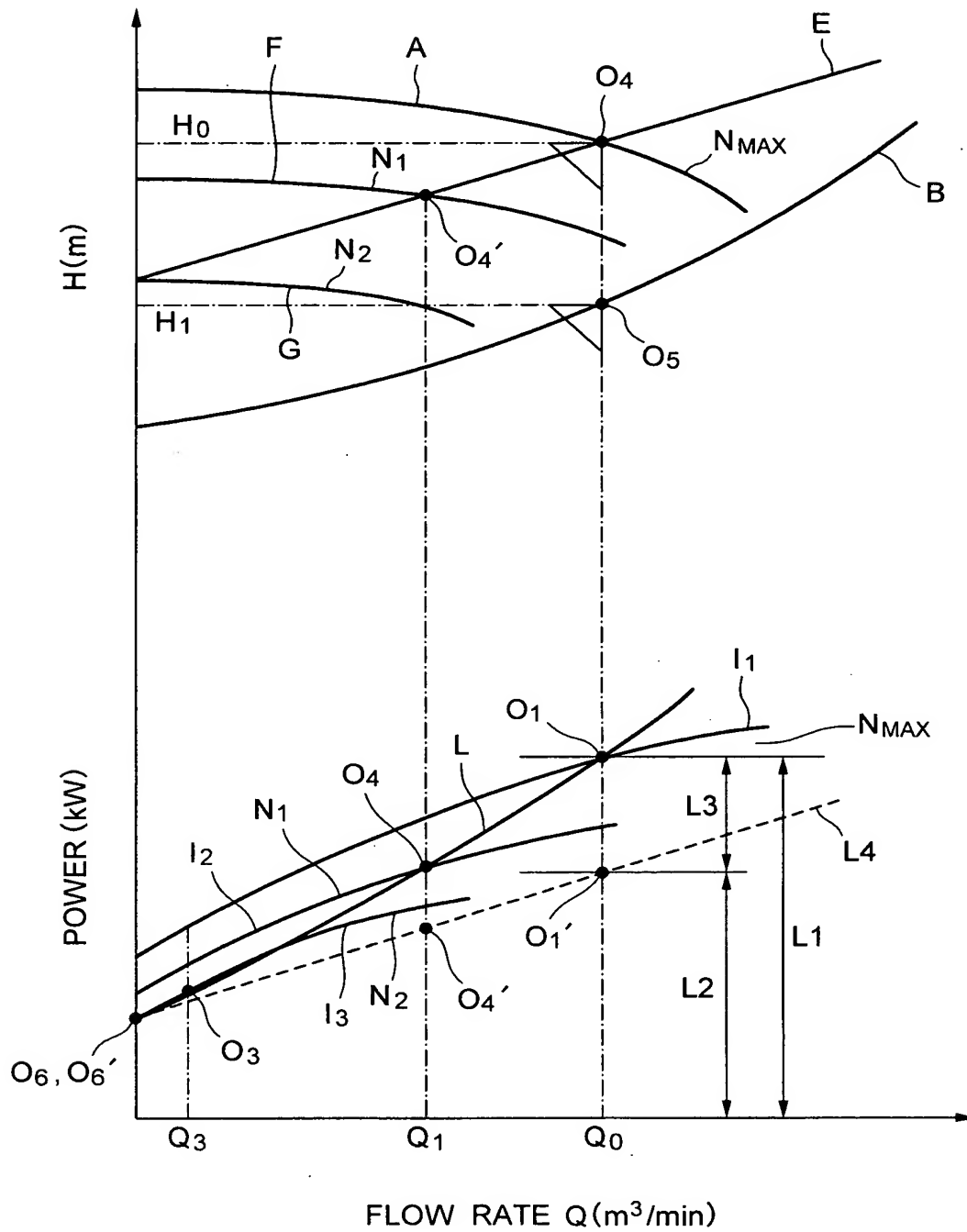
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FIG. 10



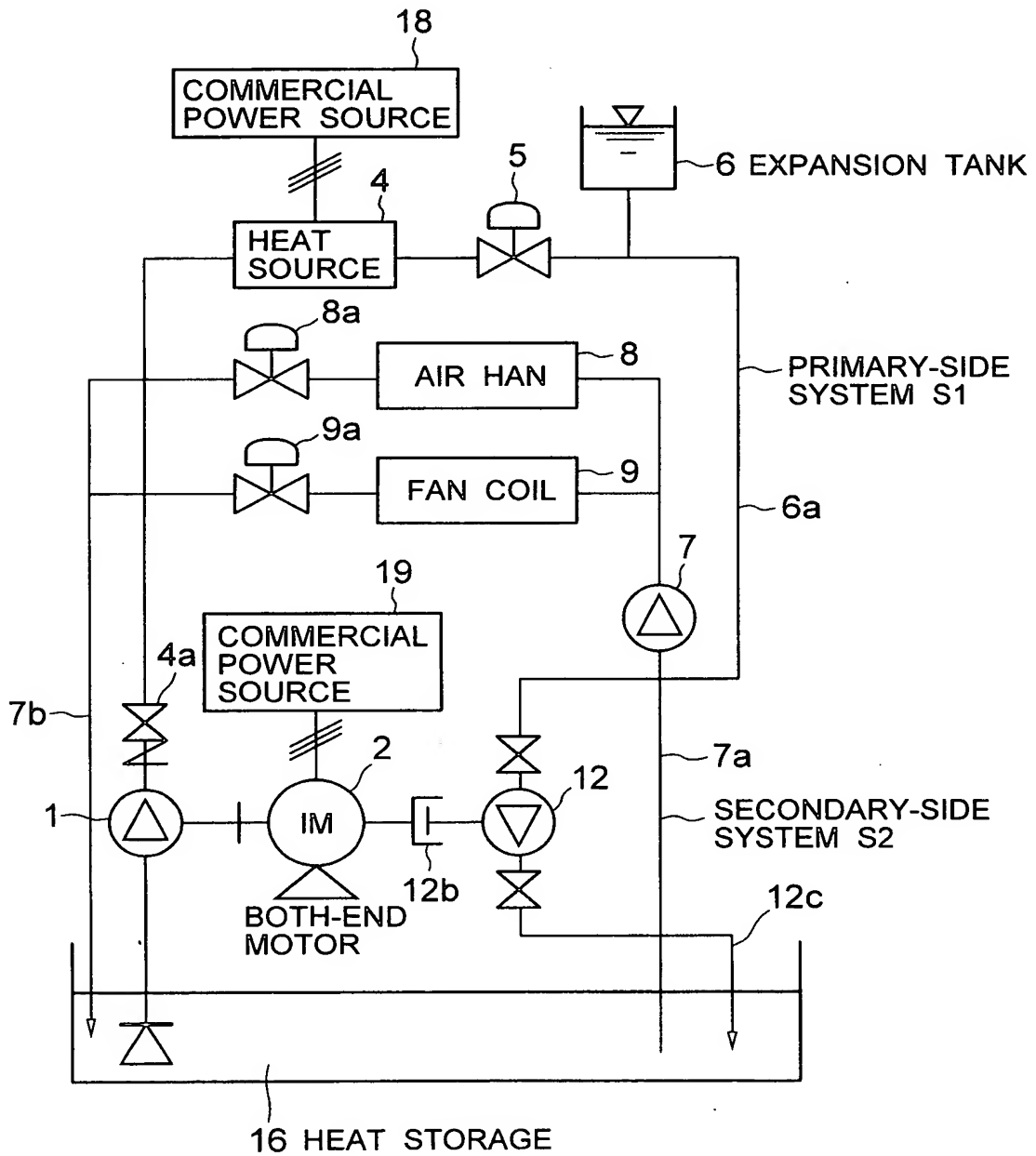
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FIG. 11



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FIG. 12



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FIG. 13

